

FIGURE 1

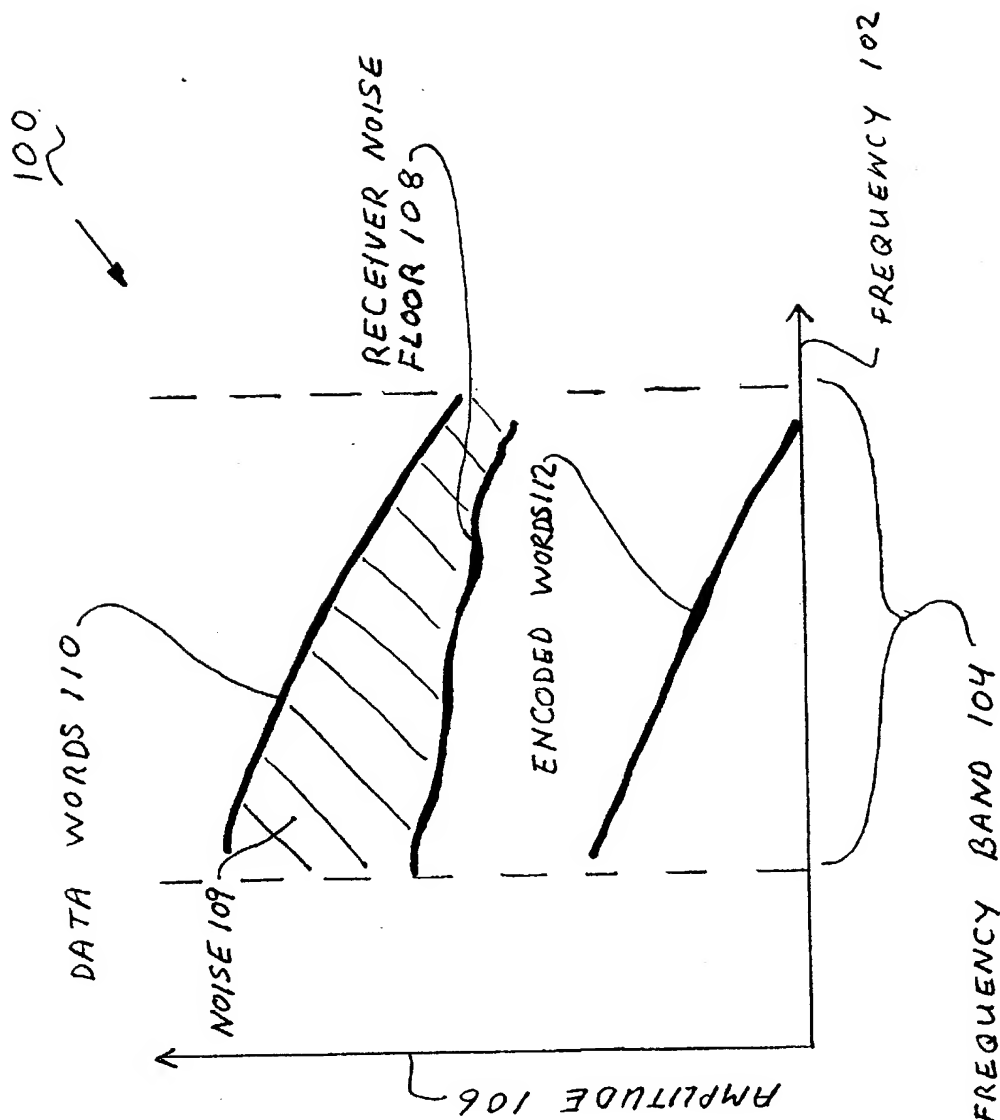


FIGURE 2

200

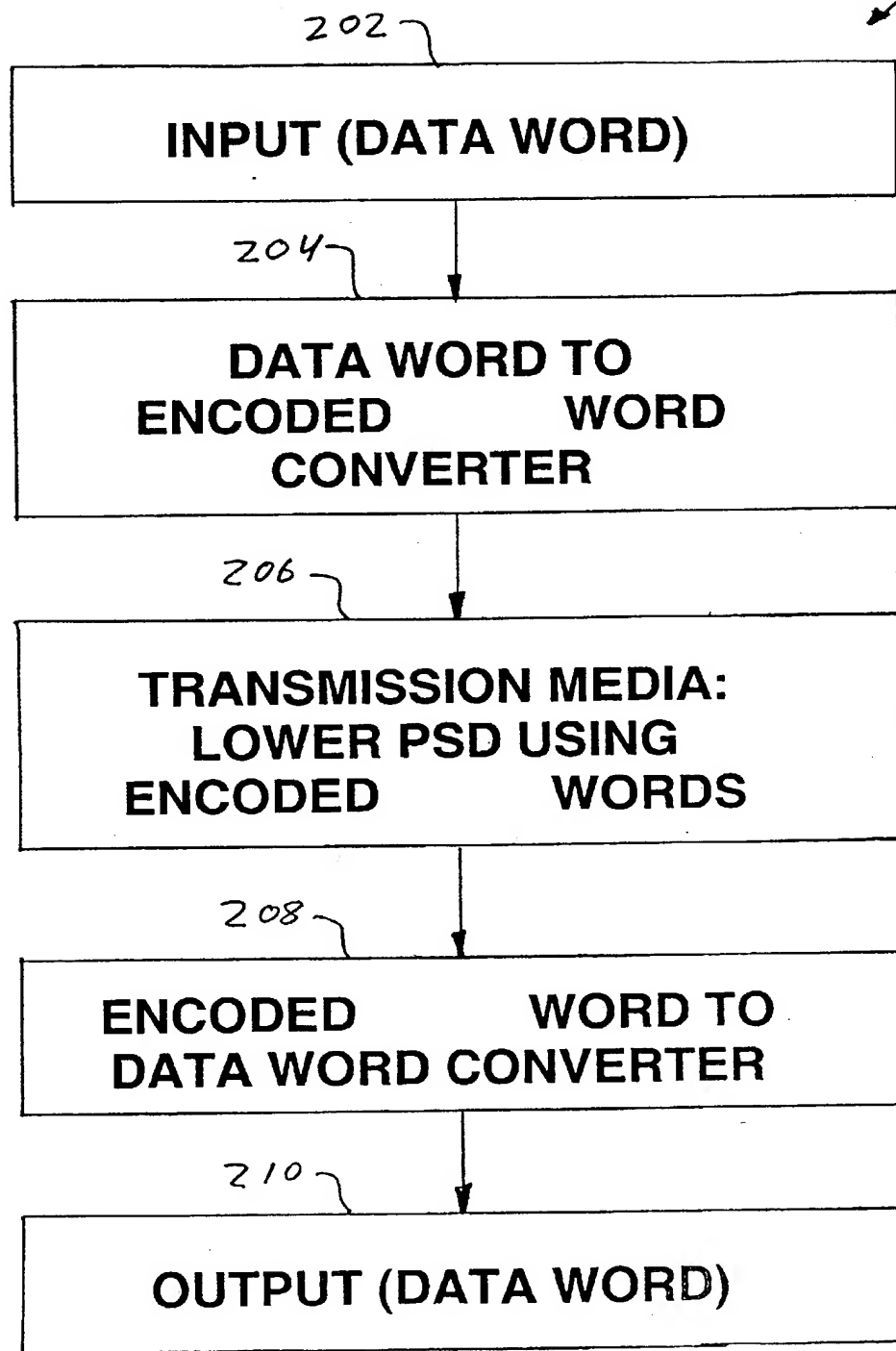


FIGURE 3

300

306

302

304

306a

4-817 Data words				6-817 Balanced ENCODED WORDS			
0	0	0	0	0	0	1	1
0	0	0	1	0	0	1	1
0	0	1	0	0	1	0	1
0	0	1	1	0	1	0	1
0	1	0	0	0	1	0	1
0	1	0	1	0	1	0	1
0	1	1	0	0	1	0	1
0	1	1	1	0	1	0	1
1	0	0	0	1	0	1	0
1	0	0	1	1	0	1	0
1	0	1	0	1	0	1	0
1	0	1	1	1	0	1	0
1	1	0	0	1	0	1	0
1	1	0	1	1	0	1	0
1	1	1	0	1	0	1	0
1	1	1	1	1	0	1	0

FIGURE 4A

400

7 Bit Data Words		9-BIT ENCODED	Words
406	0100111		011001011
408	1111111		110110100
410	1001110		100111100

406a

408a

410a

FIGURE 4B

7-BIT DATA WORDS							9-BIT ENCODED WORDS								
0	0	0	0	0	0	0	0	0	1	0	0	1	0	1	1
0	0	0	0	0	0	1	0	0	1	0	0	1	1	0	1
0	0	0	0	0	1	0	0	0	1	0	1	0	0	1	1
0	0	0	0	0	1	1	0	0	1	0	1	0	1	0	1
0	0	0	0	1	0	0	0	0	1	0	1	0	1	1	0
0	0	0	0	1	0	1	0	0	1	0	1	1	0	0	1
0	0	0	0	1	1	0	0	0	1	0	1	1	0	1	0
0	0	0	0	1	1	1	0	0	1	0	1	1	0	1	1
0	0	0	1	0	0	0	0	0	1	0	1	1	1	0	0
0	0	0	1	0	0	1	0	0	1	1	0	0	0	1	1
0	0	0	1	0	1	0	0	0	1	1	0	0	1	0	1
0	0	0	1	0	1	1	0	0	1	1	0	1	0	0	1
0	0	0	1	1	0	0	0	0	1	1	0	1	0	1	0
0	0	0	1	1	1	0	0	0	1	1	0	1	0	1	1
0	0	0	1	1	1	1	0	0	1	1	0	1	1	0	0
0	0	1	0	0	0	0	0	0	1	1	0	1	1	0	1
0	0	1	0	0	0	1	0	0	1	1	0	1	1	1	0
0	0	1	0	0	1	1	0	0	1	0	0	1	0	1	1
0	0	1	0	1	0	0	0	0	1	0	0	1	0	1	0
0	0	1	0	1	0	1	0	0	1	1	0	0	1	0	1
0	0	1	0	1	1	0	0	0	1	1	0	1	0	1	0
0	0	1	0	1	1	1	0	0	1	1	0	1	0	1	1
0	0	1	1	0	0	0	0	0	1	0	0	1	0	1	0
0	0	1	1	0	0	1	0	0	1	0	0	1	1	0	0
0	0	1	1	0	1	0	0	0	1	0	1	0	0	1	1
0	0	1	1	0	1	1	0	0	1	0	1	0	0	1	0
0	0	1	1	1	0	0	0	0	1	0	1	0	1	1	0
0	0	1	1	1	0	1	0	0	1	0	1	1	0	0	1
0	0	1	1	1	1	0	0	0	1	0	1	1	0	0	1
0	1	0	0	0	0	0	0	0	1	0	1	1	0	0	1
0	1	0	0	0	0	1	0	0	1	0	1	1	0	0	1
0	1	0	0	0	1	0	0	0	1	1	0	1	0	1	0
0	1	0	0	0	1	1	0	0	1	1	0	1	0	1	1
0	1	0	0	1	0	0	0	0	1	1	0	1	0	0	1
0	1	0	0	1	1	0	0	0	1	1	0	0	1	0	0
0	1	0	0	1	1	1	0	0	1	1	0	0	1	0	1

[illegible]

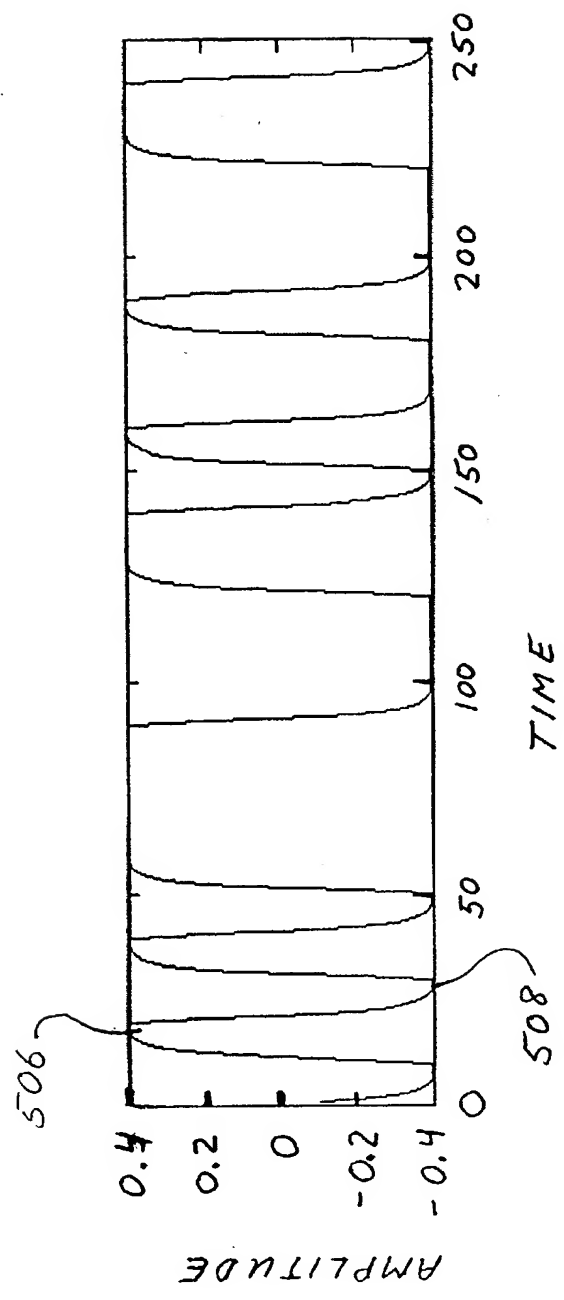
7-BIT DATA WORDS								9-BIT ENCODED WORDS								
0	1	0	1	0	0	0		0	1	1	0	0	1	1	0	0
0	1	0	1	0	0	1		0	1	1	0	0	1	1	0	1
0	1	0	1	0	1	0		0	1	1	0	0	1	1	1	0
0	1	0	1	0	1	1		0	1	1	0	1	0	0	0	1
0	1	0	1	1	0	0		0	1	1	0	1	0	0	1	0
0	1	0	1	1	0	1		0	1	1	0	1	0	0	1	1
0	1	0	1	1	1	0		0	1	1	0	1	0	1	0	0
0	1	0	1	1	1	1		0	1	1	0	1	0	1	0	1
0	1	1	0	0	0	0		0	1	1	0	1	0	1	1	0
0	1	1	0	0	0	1		0	1	1	0	1	1	0	0	1
0	1	1	0	0	1	0		0	1	1	0	1	1	0	1	0
0	1	1	0	0	1	1		1	0	0	0	1	0	0	1	1
0	1	1	0	1	0	0		1	0	0	0	1	0	1	0	1
0	1	1	0	1	0	1		1	0	0	0	1	0	1	1	0
0	1	1	0	1	1	0		1	0	0	0	1	0	1	1	1
0	1	1	0	1	1	1		1	0	0	0	1	1	0	0	1
0	1	1	1	0	0	0		1	0	0	0	1	1	0	1	0
0	1	1	1	0	0	1		1	0	0	0	1	1	0	1	1
0	1	1	1	0	1	0		1	0	0	0	1	1	1	0	0
0	1	1	1	0	1	1		1	0	0	0	1	1	1	0	1
0	1	1	1	1	0	0		1	0	0	1	0	0	0	1	1
0	1	1	1	1	1	0		1	0	0	1	0	0	1	1	0
0	1	1	1	1	1	1		1	0	0	1	0	1	0	0	1
1	0	0	0	0	0	0		1	0	0	1	0	1	0	1	0
1	0	0	0	0	0	1		1	0	0	1	0	1	0	1	1
1	0	0	0	0	1	0		1	0	0	1	0	1	1	0	0
1	0	0	0	0	1	1		1	0	0	1	0	1	1	0	1
1	0	0	0	1	0	0		1	0	0	1	0	1	1	1	0
1	0	0	0	1	0	1		1	0	0	1	1	0	0	0	1
1	0	0	0	1	1	0		1	0	0	1	1	0	0	1	0
1	0	0	0	1	1	1		1	0	0	1	1	0	0	1	1
1	0	0	1	0	0	0		1	0	0	1	1	0	0	1	0
1	0	0	1	0	0	1		1	0	0	1	1	0	1	0	1
1	0	0	1	0	1	0		1	0	0	1	1	0	1	1	0
1	0	0	1	0	1	1		1	0	0	1	1	1	0	0	0
1	0	0	1	1	0	0		1	0	0	1	1	1	0	0	1
1	0	0	1	1	1	0		1	0	0	1	1	1	1	0	0
1	0	0	1	1	1	1		1	0	1	0	0	0	1	0	1
1	0	1	0	0	0	0		1	0	1	0	0	0	1	1	0
1	0	1	0	0	0	1		1	0	1	0	0	1	0	0	1
1	0	1	0	0	1	0		1	0	1	0	0	1	0	1	0
1	0	1	0	0	1	1		1	0	1	0	0	1	0	1	1
1	0	1	0	1	0	0		1	0	1	0	0	1	1	0	0
1	0	1	0	1	0	1		1	0	1	0	0	1	1	0	1
1	0	1	0	1	1	0		1	0	1	0	0	1	1	1	0

Figure 1. Schematic representation of the experimental design. The subjects were divided into two groups: the control group (CG) and the experimental group (EG). The CG was divided into two subgroups: the control group (CG) and the control group (CG). The EG was divided into two subgroups: the experimental group (EG) and the experimental group (EG). The subjects were divided into two groups: the control group (CG) and the experimental group (EG). The CG was divided into two subgroups: the control group (CG) and the control group (CG). The EG was divided into two subgroups: the experimental group (EG) and the experimental group (EG).

7-BIT DATA WORDS							9-BIT ENCODED WORDS								
1	0	1	0	1	1	1	1	0	1	0	1	0	0	0	1
1	0	1	1	0	0	0	1	1	0	1	0	1	0	0	1
1	0	1	1	0	0	1	1	1	0	1	0	1	0	0	1
1	0	1	1	0	1	0	1	1	0	1	0	1	0	1	0
1	0	1	1	0	1	1	1	1	0	1	0	1	0	1	1
1	0	1	1	1	0	0	1	1	0	1	0	1	0	1	1
1	0	1	1	1	0	1	1	1	0	1	1	0	0	0	1
1	0	1	1	1	1	0	1	1	0	1	1	0	1	0	0
1	0	1	1	1	1	1	1	1	0	1	1	1	0	0	0
1	1	0	0	0	0	0	0	1	0	1	1	0	0	0	1
1	1	0	0	0	0	0	1	1	0	1	1	0	0	0	1
1	1	0	0	0	1	0	0	1	0	1	1	0	0	0	1
1	1	0	0	0	1	1	1	1	0	1	1	0	0	1	0
1	1	0	0	1	0	0	0	1	0	1	1	0	0	1	0
1	1	0	0	1	0	1	1	1	0	1	1	0	0	1	1
1	1	0	0	1	1	0	0	1	0	1	1	0	0	0	1
1	1	0	0	1	1	1	1	1	0	1	1	0	1	0	0
1	1	0	1	0	0	0	0	1	0	1	1	0	1	1	0
1	1	0	1	0	0	0	1	1	0	1	1	0	0	0	1
1	1	0	1	0	1	0	0	1	0	1	1	0	1	0	0
1	1	0	1	1	0	0	1	1	0	1	1	0	1	0	1
1	1	0	1	1	1	0	1	1	0	1	1	0	0	0	1
1	1	0	1	1	1	1	1	1	0	1	1	0	0	0	1
1	1	1	0	0	0	0	0	1	0	1	1	0	0	1	0
1	1	1	0	0	0	1	0	1	0	1	1	0	0	1	1
1	1	1	0	0	1	0	0	1	0	1	1	0	1	0	0
1	1	1	0	0	1	1	1	1	0	1	1	0	1	0	1
1	1	1	0	1	0	0	0	1	0	1	1	0	1	1	0
1	1	1	0	1	0	1	0	1	0	1	1	0	0	0	0
1	1	1	0	1	1	0	1	1	0	1	1	0	0	0	1
1	1	1	0	1	1	1	0	0	1	0	1	0	1	0	0
1	1	1	1	0	0	0	0	1	0	1	1	0	1	0	0
1	1	1	1	0	0	1	1	1	0	1	1	0	0	1	0
1	1	1	1	1	0	0	0	1	0	1	1	0	1	0	0
1	1	1	1	1	0	1	0	1	0	1	1	0	1	0	0
1	1	1	1	1	1	0	0	1	0	1	1	0	0	1	0
1	1	1	1	1	1	1	0	1	0	1	1	0	0	1	0

FIG. 5

FIGURE 5

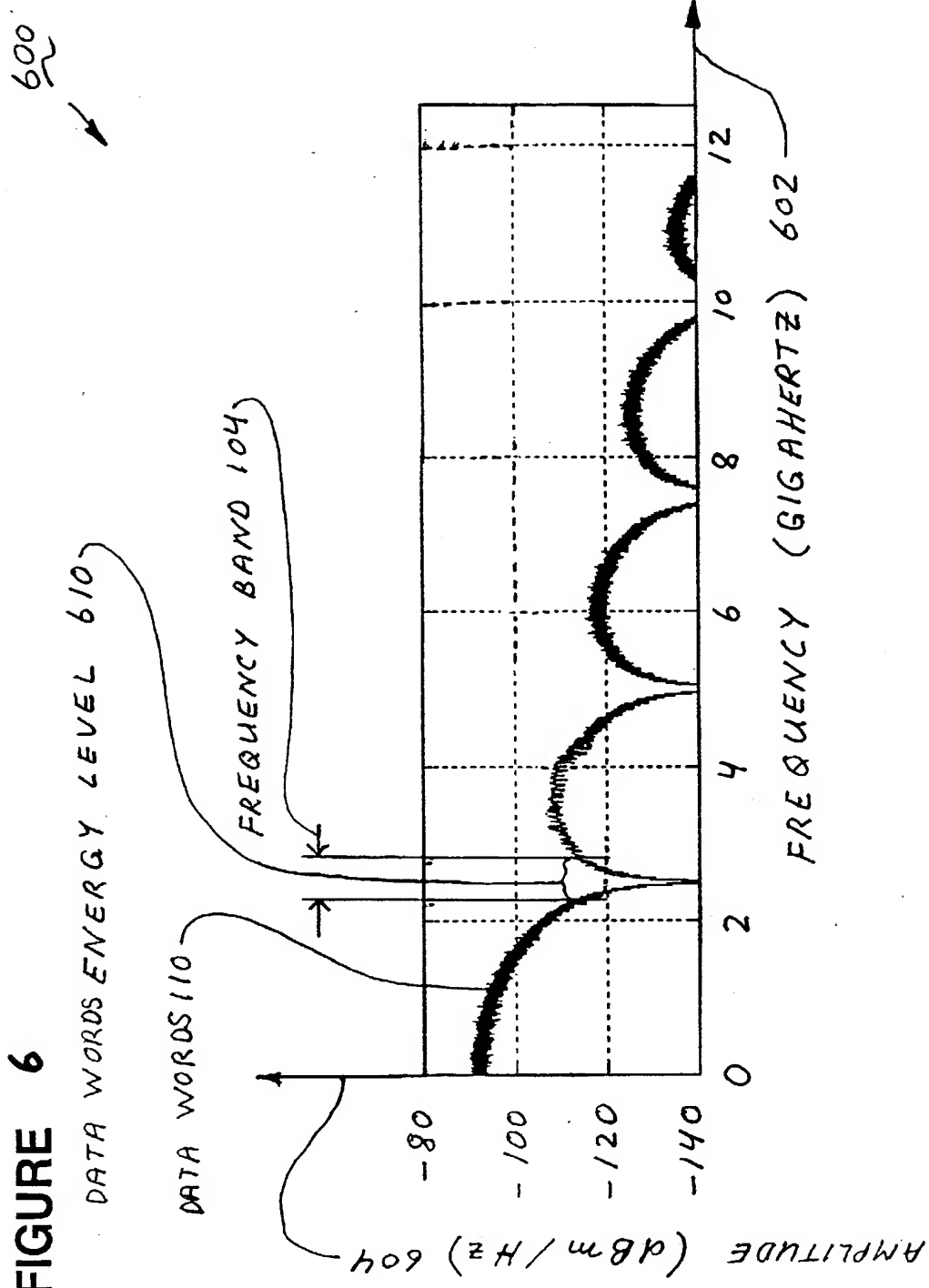


500



TOP SECRET

FIGURE 6

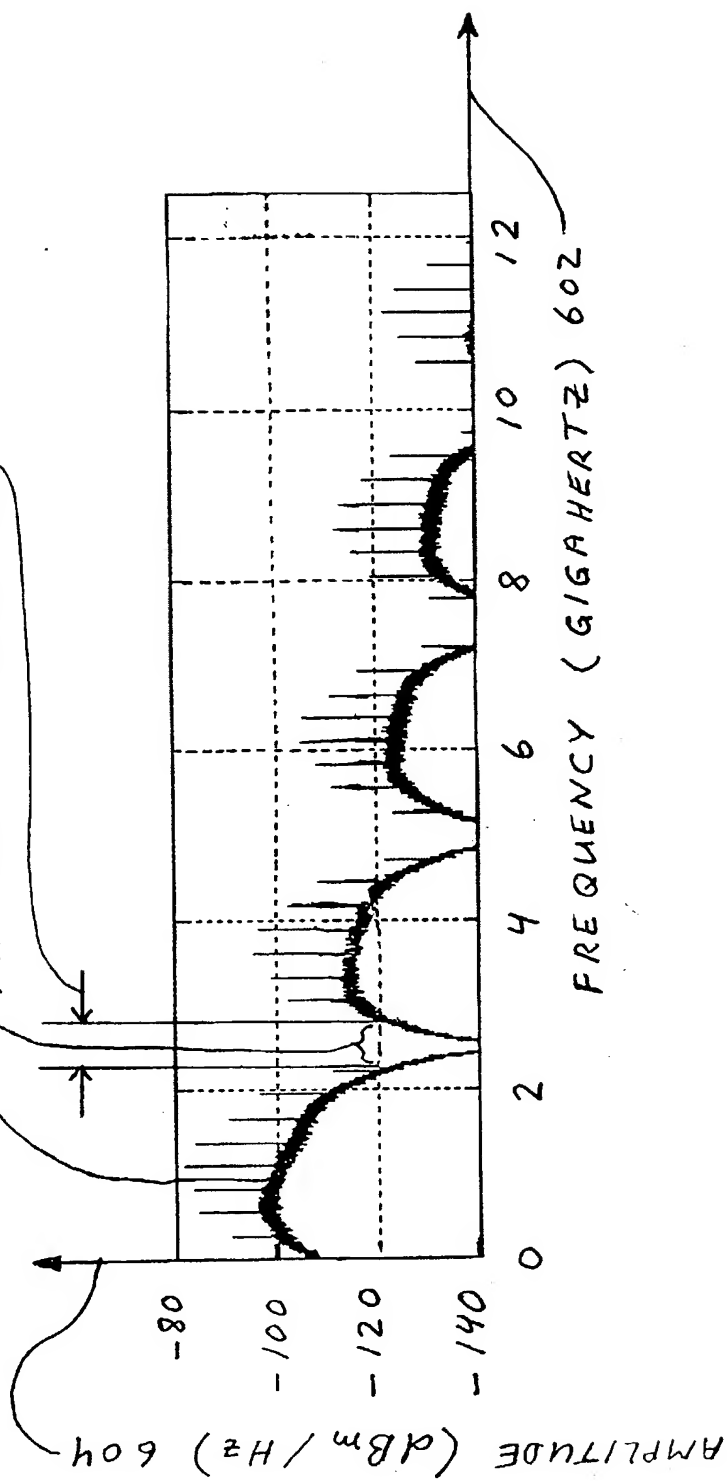


## FIGURE 7

REDUCED ENCODED DATA WORD ENERGY LEVEL 710

ENCODED WORDS 112)

FREQUENCY BAND 104.



FREQUENCY (GIGAHERTZ) 602

700